

As a below named inventor, I declare that:

My residence, Post Office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 6,541,407 B2, granted April 1, 2003 and for which a reissue patent is sought on the invention entitled CORDIERITE BODY.

The specification of which (check only one item below):

☒ is attached hereto

☐ was filed as United States Application Serial No. \_\_\_\_ on \_\_\_\_  
and was amended on \_\_\_\_ (if applicable)

☐ was filed as PCT international application number \_\_\_\_\_, on \_\_\_\_\_, and was  
amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, on the same subject matter, having a filing date before that of the application on which priority is claimed:

<input type="checkbox"/>	Country:	Application No.:	Filing Date:
<input checked="" type="checkbox"/>	NONE		

I hereby claim the benefit under Title 35 United States Code § 119(e) and § 120 of any United States application(s) or 365(c) of any PCT international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37 Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<input checked="" type="checkbox"/>	Provisional Nos.:	60/208,529	Filed:	6/1/00	Status:	Expired
		60/234,684		9/22/00		Expired

<input type="checkbox"/>	Application No.:	Filed:	Status:
	PCT Application No:	Filed:	Status:

☐ NONE

I verily believe the original patent to be wholly or partly inoperative or invalid, for reasons described below. (Check all boxes that apply.)

- ☒ by reason of a defective specification or drawing.
- ☐ by reason of the patentee claiming more or less than he had the right to claim in the patent.
- ☐ by reason of other errors.

At least one error which reissue is based is described as follows: The term for the pressure drop limitation in claims 15, 16, 17, 23, 39 and 40 fails to specify the size of the sample section to which it relates.

If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening.

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

---

**Full Name of Inventor:**

Douglas M. Beall

**Resident Address:**

39 Overbrook Road, Painted Post, NY 14870

**Post Office Address:**

same

**Citizenship:**

USA

DATE: 9/11/03

  
Douglas M. Beall

**Full Name of Inventor:**

David L. Hickman

**Resident Address:**

36 Meadow Drive, Big Flats, NY 14814

**Post Office Address:**

same

**Citizenship:**

USA

DATE: 9/4/03

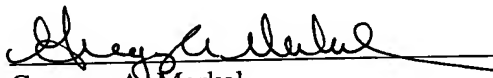
  
David L. Hickman

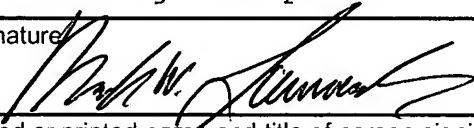
**Full Name of Inventor:** Gregory A. Merkel

**Resident Address:** 2910 WoodsEdge Drive #192, Painted Post, NY 14870  
**Post Office Address:** same

**Citizenship:** USA

**DATE:** Sept 11, 2003

  
\_\_\_\_\_  
Gregory A. Merkel

<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		Docket Number (Optional) SP00-172RE
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Douglas M. Beall, David L. Hickman, and Gregory A. Merkel		
Patent Number 6,541,407 B2	Date Patent Issued April 1, 2003	
Title of Invention Cordierite Body		
<p>1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.</p> <p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
The assignee(s) owning an undivided interest in said original patent is/are <u>Corning Incorporated</u> and the assignee(s) consents to the accompanying application for reissue.		
Name of assignee/inventor (if not assigned) Corning Incorporated		
Signature 	Date Sept. 17, 2003	
Typed or printed name and title of person signing for assignee (if assigned) Mark W. Lauroesch Assistant Secretary		

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Reissue Application No.:	To Be Assigned	)
		)
Filed:	Herewith	)
		)
U.S. Patent No.:	6,541,407 B2	)
		)
Granted:	April 1, 2003	)
		)
Patentees:	Douglas M. Beall,	)
	David L. Hickman,	)
	and Gregory A. Merkel	)
		)
For:	Cordierite Body	)
		)

---

Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313

**COMBINED CERTIFICATE UNDER  
37 C.F.R. § 3.73(b) and POWER OF ATTORNEY**

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

**CORNING INCORPORATED**, a New York corporation, certifies that it is the assignee of the entire right, title and interest in the United States Letters Patent No. 6,541,407 B2 issued April 1, 2003, and entitled "Cordierite Body" by virtue of an assignment from the inventor(s) Douglas M. Beall, David L. Hickman, and Gregory A. Merkel. The assignment was recorded in the United States Patent and Trademark Office at Reel 011883, Frame 0203 on May 29, 2001. A true copy of the recorded Assignment is attached hereto.

The undersigned has reviewed the above referenced assignment of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

## POWER OF ATTORNEY BY ASSIGNEE

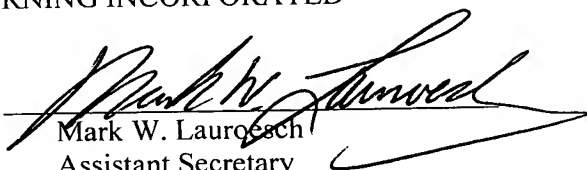
CORNING INCORPORATED, the assignee of the full and exclusive right, title and interest in and to the accompanying United States Letters Patent No. 6,541,407 B2 issued April 1, 2003, entitled "Cordierite Body" and executed by Douglas M. Beall, David L. Hickman, and Gregory A. Merkel on May 23, 2001, May 23, 2001, and May 22, 2001, respectively, appoints the practitioners associated with the Customer Number provided below (i.e., the practitioners associated with the Intellectual Property Department, Corning Incorporated) to prosecute this reissue application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Please direct all correspondence to Anca C. Gheorghiu at the address associated with that Customer Number.

**Customer Number: 22928**

CORNING INCORPORATED

Date: Sept 17, 2003

By

  
Mark W. Lauroesch  
Assistant Secretary



SP00-172  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 22, 2001

CORNING INCORPORATED  
ANCA C. GHEORGHIU  
PATENT DEPARTMENT, SP-TI-03-1  
CORNING, NEW YORK 14831

PTAS

Received

AUG 28 2001

Patent Dept.



\*101748791A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/29/2001

REEL/FRAME: 011883/0203  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BEALL, DOUGLAS M.

DOC DATE: 05/23/2001

ASSIGNOR:

HICKMAN, DAVID L.

DOC DATE: 05/23/2001

ASSIGNOR:

MERKEL, GREGORY A.

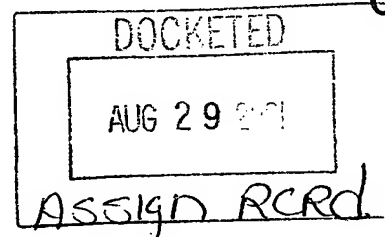
DOC DATE: 05/22/2001

ASSIGNEE:

CORNING INCORPORATED  
PATENT DEPT, : SP-TI-03-1  
CORNING, NEW YORK 14831

SERIAL NUMBER: 09867321  
PATENT NUMBER:

FILING DATE: 05/29/2001  
ISSUE DATE:



CDJ

011883/0203 PAGE 2

ALLYSON PURNELL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



06-14-2001



101748791

Case Name: SP00-172

SHEET

the attached documents or copy thereof.

To the Honorable Comm...

(1) Conveying Party(ies): Douglas M. Beall  
David L. Hickman  
Gregory A. Merkel 05/29/01

Title: CORDIERITE BODY

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

(2) Receiving Party: Corning Incorporated  
Patent Dept.; SP-TI-03-1  
Corning, NY 14831

(3) Nature of conveyance: Assignment executed: 5/23/01, 5/23/01, 5/22/01

(4) Application number(s) and/or patent number(s) against which this assignment is to be recorded:

A. Patent Application No.(s): 09/867321 B. Patent No.(s):  
Filing date:

If this document is being filed together with a new application, this assignment is also to be recorded against said application, executed on 5/23/01, 5/23/01, 5/22/01.

(5) Name and address of party to whom correspondence concerning document should be mailed:

Name: Anca C. Gheorghiu  
Reg. No. 44,120  
Corning Incorporated  
Patent Department  
SP-TI-03-1  
Corning, NY 14831  
Phone No.: (607) 974-3322

(6) Total Number of applications and/or patents involved: one

(7) Total Fee = \$40.00

☐ Enclosed (Check No. )  
☐ Included with filing fee. Check No. \_\_\_\_.  
☒ Authorization given by Corning Incorporated to charge deposit account number  
03-3325 (attached is a triplicate copy of this page)

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Anca C. Gheorghiu

May 29, 2001  
Date

Total number of pages comprising cover sheet: 3

JC997 U.S. PTO  
09/867321  
05/29/01

**ASSIGNMENT**

FOR VALUE RECEIVED, I, as a below named inventor, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **CORDIERITE BODY**, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE 5/23/01

DATE 5/23/01

DATE 5/22/01

respectively, patent applications 60/208,529 filed 6/1/00 and 60/234,684 filed 9/22/00 by us in the United States, and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

I request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

I agree that, when requested, I will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

I authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

(U.S. Regular Application,,

Attorney Docket No.: SP00-172

Signed at Corning, NY, this

5/23/2001  
Date

Douglas M. Beall  
Douglas M. Beall

5/23/2001  
Date

David L. Hickman  
David L. Hickman

May 22, 2001  
Date

Gregory A. Merkel  
Gregory A. Merkel

State of New York)

: ss.

County of Steuben)

On the 23<sup>rd</sup> day of May 2001, before me personally came **Douglas M. Beall** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Christine F. Watters  
Notary Public

CHRISTINE F. WATTERS

Notary Public, State of New York

Qualified in Steuben County No. 4945322

My Commission Expires December 19, 2002

State of New York)

: ss.

County of Steuben)

On the 23<sup>rd</sup> day of May 2001, before me personally came **David L. Hickman** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Christine F. Watters  
Notary Public

CHRISTINE F. WATTERS

Notary Public, State of New York

Qualified in Steuben County No. 4945322

My Commission Expires December 19, 2002

State of New York)

: ss.

County of Steuben)

On the 22<sup>nd</sup> day of May 2001, before me personally came **Gregory A. Merkel** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Christine F. Watters  
Notary Public

CHRISTINE F. WATTERS

Notary Public, State of New York

Qualified in Steuben County No. 4945322

My Commission Expires December 19, 2002